

Delaware State Clearinghouse Committee
Revised Agenda
January 29, 2015

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business									
1	2121	Department of State, Libraries	Innovative Librarians Explore, Apply and Discover	\$40,000	\$0	\$0	0.00	0.00	0.00
2	2145	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Senior Farmers Market Nutrition Program	\$100,000	\$7,124	\$0	0.00	0.10	0.00
3	2149	Department of Health and Social Services, Public Health, Community Health	Voluntary National Retail Food Regulatory Program Standards-Mentorship	\$10,000	\$0	\$0	0.00	0.00	0.00
4	2147	Department of Health and Social Services, Public Health, Community Health	Retail Standards—Category Two	\$10,000	\$0	\$0	0.00	0.00	0.00
5	2116	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Chesapeake Bay Implementation	\$9,196,000	\$1,691,746	\$7,579,254	0.00	1.40	0.00
6	1939	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check System Act - Record Improvement Program	\$90,000	\$0	\$0	0.00	0.00	0.00
7	2133	Department of Education	School Climate and Student Success	\$458,660	\$0	\$0	0.00	0.00	0.00
Continued									
8	1946	Legal, Office of the Attorney General	Internet Crimes Against Children	\$239,863	\$0	\$0	3.00	0.00	0.00
9	2123	Legal, Office of the Attorney General	Medicaid Fraud Unit	\$1,526,416	\$508,803	\$0	13.00	4.00	0.00
10	2117	Department of State, Regulations and Licensing, Public Service Commission	Pipeline Safety One Call Grant	\$12,200	\$0	\$0	0.02	0.00	0.00
11	2134	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention and Education	\$238,267	\$0	\$0	0.00	0.00	0.00
12	2135	Department of Health and Social Services, Public Health, Community Health	Affordable Care Act - Maternal, Infant, Early Childhood Home Visiting Program - Expansion Grant	\$4,564,242	\$1,169,639	\$0	1.00	0.00	0.00
13	2139	Department of Health and Social Services, Public Health, Community Health	Affordable Care Act - Maternal, Infant and Early Childhood Home Visiting Program	\$1,000,000	\$1,169,639	\$0	3.00	0.00	0.00
14	2140	Department of Health and Social Services, Public Health, Community Health	Women, Infants and Children Farmer's Market Nutrition Program	\$284,137	\$14,372	\$10,000	0.00	0.20	0.00
15	2141	Department of Health and Social Services, Public Health, Community Health	Public Water System Supervision	\$644,147	\$469,301	\$0	8.00	8.40	0.00
16	2148	Department of Health and Social Services, Public Health, Community Health	Retail Standards - Category Three	\$2,000	\$0	\$0	0.00	0.00	0.00
17	2150	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	\$130,000	\$26,731	\$0	0.00	0.15	0.00
18	2014-10-29-01	Department of Health and Social Services, Administration, Office of the Secretary, Health Care Commission	Statewide Healthcare Innovation Plan	\$0	\$0	\$500,000	0.00	0.00	0.00

19	2127	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	\$134,427	\$44,809	\$0	0.17	0.17	0.00
20	2128	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Fisheries Management Program	\$25,139	\$8,380	\$0	0.34	0.01	0.00
21	2131	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Prescott Marine Mammal	\$49,203	\$16,401	\$0	0.04	0.06	0.00
22	2137	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Finfish Assessment Survey	\$168,588	\$56,196	\$0	2.30	0.50	0.00
23	1700 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Tidal Freshwater Fisheries Management	\$10,437	\$3,479	\$0	0.15	0.01	0.00
24	2142	Department of Safety and Homeland Security, Office of the Secretary, Division of Forensic Science	DNA Backlog Reduction Program	\$292,368	\$0	\$0	0.00	0.00	0.00
25	2113	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	\$206,208	\$0	\$0	10.10	0.00	0.00
26	2056	Fire Prevention Commission, State Fire School	National Fire Academy Training	\$20,060	\$0	\$0	0.00	0.00	0.00
27	2143	Department of Education	Head Start Collaboration	\$125,000	\$0	\$0	0.75	0.00	0.00

Higher Education

1	2014-11-29-01	HE/University of Delaware	PRO: A Protein Ontology in OBO Foundry for Scalable Integration of Biomedical Knowledge	\$3,481,401	\$0	\$0			
2	2014-11-29-02	HE/University of Delaware	NSF Analog Joint Source-Channel Coding for Underwater Acoustic Communications Garcia-Frias	\$366,379	\$0	\$0			
3	2014-11-29-03	HE/University of Delaware	Nanobiosensing: Unagi-based Encoded Fluorescent Sensor Proteins	\$217,276	\$0	\$0			
4	2014-11-29-04	HE/University of Delaware	SHF: Medium: Collaborative Research: A Comprehensive Methodology to Pursue Reproducible Accuracy in Ensemble Scientific Simulations on Multi- and Many-Core Platforms	\$282,357	\$0	\$0			
5	2014-11-29-05	HE/University of Delaware	Ship Operations National Marine Fisheries Northern Right Whale Survey & Biology Cruise	\$167,700	\$0	\$0			
6	2014-11-29-06	HE/University of Delaware	II-NEW: Acquisition of Time-Dependent 3D Transparent Flows via Light Field Imaging and Displays	\$192,155	\$0	\$0			
7	2014-11-29-07	HE/University of Delaware	Design and Fabrication of Pyroelectric Detector with Nanometer Size Studs	\$0	\$0	\$64,898			
8	2014-11-29-08	HE/University of Delaware	An interdisciplinary Examination of Speech Processing in Typical, Deaf, And Hard-of-Hearing Children	\$143,801	\$0	\$0			
9	2014-11-29-09	HE/University of Delaware	Collaborative Research: Environmental Science for Latino English Learners	\$0	\$0	\$135,358			
10	2014-11-29-10	HE/University of Delaware	Small GTPase Arf6 Regulation of Cellular Morphogenesis in Development	\$276,178	\$0	\$0			
11	2014-11-29-11	HE/University of Delaware	To Investigate Plant Defense Strategies Associated With Attachment And Colonization of Human Enteric Viruses	\$0	\$0	\$60,000			
12	2014-11-29-12	HE/University of Delaware	Wild Birds in The Ecology of Tick-borne Disease: Predicting Vector Invasions and Pathogen Emergence Across Heterogeneous Landscapes	\$0	\$0	\$1,000			
13	2014-11-29-13	HE/University of Delaware	Prepreg Fabrication Using an Aqueous Bath Process	\$0	\$0	\$70,000			

14	2014-11-29-14	HE/University of Delaware	An Evaluation of Microbial Inoculants For Improving the Aerobic Stability of Corn Silage	\$0	\$0	\$12,500
15	2014-11-29-15	HE/University of Delaware	II-New:Collaborative Research: A Multi-Institutional Computer-Cloud Based Simulation Infrastructure for Multiphase Flows	\$254,900	\$0	\$0
16	2014-11-29-16	HE/University of Delaware	Development of an Interactive Mobile Application to Promote Physical Activity to Youth With Disabilities as Part of a Healthy Lifestyles Campaign	\$36,518	\$0	\$0
17	2014-11-29-17	HE/University of Delaware	RF Photonics, Hybrid Optical Apertures, and Integration	\$0	\$0	\$543,082
18	2014-11-29-18	HE/University of Delaware	New Directions In The Qualitative Approach To Inverse Scattering Theory	\$189,566	\$0	\$0
19	2014-11-29-19	HE/University of Delaware	Symmetry Breaking in Complex Material Flows	\$179,604	\$0	\$0
20	2014-11-29-20	HE/University of Delaware	ARO Advanced Infrared and Terahertz Devices for Navigation, Imaging, Timing, and Ranging Kolodzey	\$204,900	\$0	\$0
21	2014-11-29-21	HE/University of Delaware	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	\$0	\$0	\$38,578
22	2014-11-29-22	HE/University of Delaware	ECO-A- The East Coast Ocean Acidification Cruise 2015	\$0	\$0	\$205,815
23	2014-11-29-23	HE/University of Delaware	Mismatch Negativity-Based Differential Diagnosis Of APD VS SLI	\$323,063	\$0	\$0
24	2014-11-29-24	HE/University of Delaware	Interaction Problems In Ocean Waves: Application To Ice-Covered Waves And Internal Waves	\$213,681	\$0	\$0
25	2014-11-29-25	HE/University of Delaware	CIF: Medium: Collaborative Research: Analog and Hybrid Coding Schemes for Video Transmission and Multiple Access Channels	\$464,475	\$0	\$0
26	2014-11-29-26	HE/University of Delaware	Multimodal Brain Imaging to Assess Somatosensory Function and Plasticity After Stroke	\$641,190	\$0	\$0
27	2014-11-29-27	HE/University of Delaware	Consulting Service Agreement between University of Delaware and Mountain States Group, Inc	\$0	\$0	\$15,000
28	2014-11-29-28	HE/University of Delaware	GUR NEES 2015 Frankish Illuminated Manuscripts 7TH-10TH Centuries	\$0	\$0	\$6,000
29	2014-11-29-29	HE/University of Delaware	Air National Guard/Air Force Reserve Youth Camps	\$0	\$0	\$30,000
30	2014-11-29-30	HE/University of Delaware	Working Waterfronts Resource Network	\$0	\$0	\$195,312
31	2014-11-29-31	HE/University of Delaware	Magic Angle Spinning NMR of Metalloenzymes	\$0	\$0	\$100,000
32	2014-11-29-32	HE/University of Delaware	Evaluation of the Clinical Pathological Response and Virus Shedding of Birds	\$0	\$0	\$18,049
33	2014-11-29-33	HE/University of Delaware	Regulation and Structure of The Translesion Synthesis DNA Polymerase Holoenzyme Complex	\$545,769	\$0	\$0
34	2014-11-29-34	HE/University of Delaware	Animal Health and Disease Research Program Formula Grant 2015	\$18,372	\$0	\$0
35	2014-11-29-35	HE/University of Delaware	Expanding Care for Vulnerable Populations	\$0	\$0	\$220,000
36	2014-11-29-36	HE/University of Delaware	Novel Links Between Social Disconnection And Appetite Regulation	\$0	\$0	\$10,819

37	2014-11-29-37	HE/University of Delaware	Collaborative Research: High-Dimensional First Passage Problems In Materials And Kinetic Theory	\$96,154	\$0	\$0
38	2014-11-29-38	HE/University of Delaware	Collaborative Research: ENIGMA-Eastern North America Intraplate Geodynamic Model of Active Tectonics	\$79,641	\$0	\$0
39	2014-11-29-39	HE/University of Delaware	Ensuring Energy and Power Safety in Data Centers	\$2,624,141	\$0	\$0
40	2014-11-29-40	HE/University of Delaware	LUMILANT/ARO MIROTZNIK STTR 2, Wavelength Specific Dielectric Obscurants using Electromagnetically Engineered Nanoparticles	\$0	\$0	\$240,593
41	2014-11-29-41	HE/University of Delaware	Cogens: A Space for Developing and Evaluating Collaborative Practice During Student Teaching	\$0	\$0	\$50,000
42	2014-11-29-42	HE/University of Delaware	Molecular mechanisms of Aniridia Fibrosis Syndrome	\$0	\$0	\$2,100
43	2014-11-29-43	HE/University of Delaware	Synthetic Biology of Thermus Thermophilus for Enhanced Isoprenoid Biosynthesis from Biomass Feedstocks	\$0	\$0	\$218,077
44	2014-11-29-44	HE/University of Delaware	2015 Department of Defense Child and Youth Reintegration Support Camp Grants	\$0	\$0	\$50,000
45	2014-11-29-45	HE/University of Delaware	Irex Mandela Washington Fellowship For Young African Leaders	\$0	\$0	\$124,311
46	2014-11-29-46	HE/University of Delaware	Soil-Applied Herbicide Compatibility with Rye Residue	\$0	\$0	\$7,180
47	2014-11-29-47	HE/University of Delaware	A Web-Based Craniofacial Disease Gene Discovery Tool	\$300,000	\$0	\$0
48	2014-11-29-48	HE/University of Delaware	The 4-H Science Corp (after school stem) with Rutgers	\$0	\$0	\$35,433
49	2014-11-29-49	HE/University of Delaware	Consequences and Control of Randomness in Timing of Cellular Events	\$147,928	\$0	\$0
50	2014-11-29-50	HE/University of Delaware	Department of Commerce NOAA Scientific and Technical Support	\$0	\$0	\$131,468
51	2014-11-29-51	HE/University of Delaware	Hazards SimCenter: Enhancing Resilience to Natural Hazards through Computational Discovery and Engineering	\$0	\$0	\$293,235
52	2014-11-29-52	HE/University of Delaware	Structural Effects of Protein Phosphorylation and O-GlcNAcylation	\$437,362	\$0	\$0
53	2014-11-29-53	HE/University of Delaware	Understanding Breast Cancer Dormancy and Reactivation to Prevent Recurrence	\$0	\$0	\$360,000
54	2014-11-29-54	HE/University of Delaware	NIH R21 JAYARAMAN	\$341,747	\$0	\$0
55	2014-11-29-55	HE/University of Delaware	Acquisition of Computer Cluster for First-Principles Predictions of Structure and Properties of Cocrystals	\$350,000	\$0	\$0
56	2014-11-29-56	HE/University of Delaware	Staying to Talk, Talking to Stay: A Study of the Relationships between the Talk and Retention of Teachers and Students	\$0	\$0	\$39,032
57	2014-11-29-57	HE/University of Delaware	Analysis of the Ribonucleases of Arabidopsis Thaliana	\$574,153	\$0	\$0
58	2014-11-29-58	HE/University of Delaware	Time's Melt	\$0	\$0	\$6,000
59	2014-11-29-59	HE/University of Delaware	Instrumentation for Long-term Arctic Shelf and Slope Acoustical Oceanography	\$285,800	\$0	\$0

60	2014-11-29-60	HE/University of Delaware	Underwater Sound Projector for Arctic Shelf and Slope Acoustical Oceanography	\$89,006	\$0	\$0
61	2014-11-29-61	HE/University of Delaware	The Impacts of Cooked Soy on Colon Cancer Prevention	\$0	\$0	\$8,192
62	2014-11-29-62	HE/University of Delaware	NIH Supermarket Study KARPYN	\$1,825,895	\$0	\$0
63	2014-11-29-63	HE/University of Delaware	Understanding Emerging Spin Properties in Novel Solid State Artificial Molecules	\$415,140	\$0	\$0
64	2014-11-29-64	HE/University of Delaware	African American Women Breastfeeding Narratives	\$0	\$0	\$6,000
65	2014-11-29-65	HE/University of Delaware	2015 Northeastern Integrated Pest Management Center IPM Partnership Grant	\$0	\$0	\$6,647
66	2014-11-29-66	HE/University of Delaware	Development of Integrated Resources for Cornea and Lens Gene Discovery	\$0	\$0	\$22,500
67	2014-11-29-67	HE/University of Delaware	Japanese Culture in Videogames	\$0	\$0	\$6,274
68	2014-11-29-68	HE/University of Delaware	The Chinese Empire On The Frontier: China's Plausible Policy Of Colonizing Korea In Late Imperial Times, 1630S - 1890S	\$0	\$0	\$6,000
69	2014-11-29-69	HE/University of Delaware	Cultural Code: Video Games and Latin America	\$0	\$0	\$6,000
70	2014-11-29-70	HE/University of Delaware	Rhodopsin-Mediated Light Capture by Ultra-Small Actinobacteria	\$516,512	\$0	\$0
71	2014-11-29-71	HE/University of Delaware	Design, Fabrication and Characterization of Perfect Absorber Prototypes	\$0	\$0	\$139,081
72	2014-11-29-72	HE/University of Delaware	Influence of Media Attention on Cybersecurity-Related Decision Making	\$0	\$0	\$5,965
73	2014-11-29-73	HE/University of Delaware	Coordination Between Pricing and Advertising Activities	\$0	\$0	\$6,000
74	2014-11-29-74	HE/University of Delaware	Shaping the Future: Exploring Strategy-Making in Pioneering Firms	\$0	\$0	\$7,000
75	2014-11-29-75	HE/University of Delaware	Comprehensive Integration of Cancer Gene Variation and Expression for Glycobiology Studies	\$0	\$0	\$112,837
76	2014-11-29-76	HE/University of Delaware	Examining Cross-Language Relationships in Reading Fluency and Reading Comprehension for English Language Learners: Insights From Eye-Tracking and Think-Aloud Protocols	\$0	\$0	\$6,958
77	2014-11-29-77	HE/University of Delaware	Effects of Non-Native Plants on Food Web Dynamics Between Plants, Insects, and Breeding Birds	\$0	\$0	\$1,952
78	2014-11-29-78	HE/University of Delaware	The Influence of Water on Surface Reactions at Metal Oxide Interfaces	\$495,640	\$0	\$0
79	2014-11-29-79	HE/University of Delaware	Research on Women in Global Business	\$0	\$0	\$6,000
80	2014-11-29-80	HE/University of Delaware	Effect of BAY98 on Recombinant HVT Onset of Immunity to Transgene Challenge (HVT-LT):	\$0	\$0	\$23,440
81	2014-11-29-81	HE/University of Delaware	Methane Activation on Cu Containing Zeolite Catalysts	\$494,653	\$0	\$0
82	2014-11-29-82	HE/University of Delaware	IUSE/PFE:RED: Building the T-Shaped Engineer: Refocusing Departmental Resources & Undergraduate Curricula to Train Students with Both Breadth and Depth of Knowledge	\$1,274,758	\$0	\$0

83	2014-11-29-83	HE/University of Delaware	Examining the Effects of Microbial Inoculants on the Aerobic of Corn Silage After Short Times of Fermentation	\$0	\$0	\$8,825
84	2014-11-29-84	HE/University of Delaware	Young Black Women's Conceptualization of Fatherhood and Womanhood	\$0	\$0	\$6,000
85	2014-11-29-85	HE/University of Delaware	Collaborative Research: Accelerating Innovation and Expanding Participation From Laptop to Exaflop	\$0	\$0	\$743,742
86	2014-11-29-86	HE/University of Delaware	Spin Orbitronics - From Heavy Metals to Topological Insulators	\$387,881	\$0	\$0
87	2014-11-29-87	HE/University of Delaware	Wheat Disease Management: Examining the Utility and Economic Returns of Different Fungicide Application Programs to Manage Foliar Diseases of Wheat	\$0	\$0	\$10,403
88	2014-11-29-88	HE/University of Delaware	Development of Robust Microbial Communities Through Engineered Biofilms	\$0	\$0	\$801,282
89	2014-11-29-89	HE/University of Delaware	Wholesome Wave/USDA FINI KARPYN	\$0	\$0	\$240,385
90	2014-11-29-90	HE/University of Delaware	Wheat production: Evaluation of Palisade and Alternative Fungicide Timings for Intensive Wheat Production	\$0	\$0	\$3,728
91	2014-11-29-91	HE/University of Delaware	Monitoring the effects of Hurricane Sandy Salt Marsh Restoration on American Black Duck Winter Carrying Capacity	\$0	\$0	\$319,149
92	2014-11-29-92	HE/University of Delaware	Modular Theory and the Spin-Statistics Connection	\$0	\$0	\$6,000
93	2014-11-29-93	HE/University of Delaware	Hazards SEES: Understanding the Breadth and Likelihood of Tsunami-Induced Cascading Failures in Coupled Urban Systems	\$0	\$0	\$206,211
94	2014-11-29-94	HE/University of Delaware	Support of Research on Cold Spray Technology for Repair of Steel Bridge Corrosion Damage	\$36,878	\$0	\$0
95	2014-11-29-95	HE/University of Delaware	Conafor Fellowship FOA Of The UN	\$0	\$0	\$53,080
96	2014-11-29-96	HE/University of Delaware	Staying to Talk, Talking to Stay: A Study of the Relationships between Teacher/Student Talk and Teacher/Student Retention	\$0	\$0	\$6,000
97	2014-11-29-97	HE/University of Delaware	Disabled Faculty: Disclosure, Identity, Access	\$0	\$0	\$6,000
98	2014-11-29-98	HE/University of Delaware	Tracing the Impact of the Common Core Standards for Writing on Teaching of Writing in Secondary English Language Classrooms	\$0	\$0	\$5,760
99	2014-11-29-99	HE/University of Delaware	Investigating Neural Control of Social Communication in Mouse Models of Autism	\$0	\$0	\$8,137
100	2014-11-30-01	HE/University of Delaware	RPI/NSF Hazard Sees: Integrative Decision-Making Models For Optimal Access Restoration In Post-Disaster Response Environments	\$0	\$0	\$224,206
101	2014-11-30-02	HE/University of Delaware	Mapping of Bird Migration Stopover Sites in North Carolina	\$0	\$0	\$159,476
102	2014-11-30-03	HE/University of Delaware	2015 Fulbright Visiting Scholar Program for Iraq - Engineering Cohort	\$0	\$0	\$58,000
103	2014-11-30-04	HE/University of Delaware	Templated Self Assembly of Block Copolymer Composites for Homogeneously Integrated Photonic Circuits	\$4,807,695	\$0	\$0
104	2014-11-30-05	HE/University of Delaware	IMLS Sustaining Places II	\$281,032	\$0	\$0
105	2014-11-30-06	HE/University of Delaware	Carbon Dynamics within Soils of Tropical Mega-Deltas: Sensitivity to Impending Local and Global Change	\$0	\$0	\$187,497

106	2014-11-30-07	HE/University of Delaware	Measuring the Impact of Healthy Food Marketing Strategies in Low Income Supermarkets to Examine the Ultimate Impact on Unhealthy Food Choices and Overeating	\$0	\$0	\$17,394
107	2014-11-30-08	HE/University of Delaware	Collaborative RAPID: Stigma, Leadership, and Communication Around the US Ebola Cases	\$14,920	\$0	\$0
108	2014-11-30-09	HE/University of Delaware	A Smart Shoe for the Detection of Falls in the Elderly	\$0	\$0	\$23,482
109	2014-11-30-10	HE/University of Delaware	FY2015 Study Of The U.S. Institutes For Student Leaders From Southeast ASIA	\$217,811	\$0	\$0
110	2014-11-30-11	HE/University of Delaware	FY 2015 Study Of The U.S. Institute On Women's Leadership	\$208,199	\$0	\$0
111	2014-11-30-12	HE/University of Delaware	Role of Internal Loading of Phosphorus Refueling Eutrophication in The Chesapeake Bay	\$0	\$0	\$126,864
112	2014-11-30-13	HE/University of Delaware	Assessing the Potential of UAV's for Detecting Crop Moisture Stress	\$0	\$0	\$5,892
113	2014-11-30-14	HE/University of Delaware	Low-Density High-Efficiency Light Reflector Films For LED Lighting	\$0	\$0	\$72,116
114	2014-11-30-15	HE/University of Delaware	REU: Multitrophic Consequences of Novel Plant Assemblages in Urban Ecosystems	\$6,700	\$0	\$0
115	2014-11-30-16	HE/University of Delaware	Radioisotope Tracer and Fracture Attributes for Enhanced Geothermal Systems	\$0	\$0	\$52,384
116	2014-11-30-17	HE/University of Delaware	Oceanographic Technical Services	\$30,500	\$0	\$0
117	2014-11-30-18	HE/University of Delaware	Evaluation of Fall Soil Nitrate Testing and Fertilization for Establishment of Small Grains and Alternative Cover Crops under Irrigated and Dry Land Conditions on Delmarva	\$0	\$0	\$17,845
118	2014-11-30-19	HE/University of Delaware	Trends in Soil Test Phosphorus and Sorption Capacity following Long-term Application of Poultry Litter and Commercial Fertilizers	\$0	\$0	\$32,495
119	2014-11-30-20	HE/University of Delaware	Are Coastal Temperate Wetlands Carbon Sources or Sinks? Unraveling Processes and Controls Using an Interdisciplinary and Multi-Instrument Approach	\$403,760	\$0	\$0
120	2014-11-30-21	HE/University of Delaware	Cu-zeolite Catalysts for the Abatement of Methane in the Exhaust of Natural Gas Engines	\$245,987	\$0	\$0
121	2014-11-30-22	HE/University of Delaware	Measuring and Modeling the Development of Throughfall-Induced Hot Spots and Hot Moments in Relation to Canopy Phenophase	\$498,381	\$0	\$0
122	2014-11-30-45	HE/University of Delaware	2015 Proposal for Special Initiative on Offshore Wind	\$0	\$0	\$225,000
123	2014-11-30-46	HE/University of Delaware	Development of a Relativistic Atomic Code for Accurate Treatment of Complex Correlations	\$250,000	\$0	\$0
124	2014-11-30-47	HE/University of Delaware	Interleaf Optical Heater for Rapid Composites Manufacturing End Repair	\$0	\$0	\$12,821
125	2014-11-30-48	HE/University of Delaware	Market Participation, Testing, and Evaluation of Aggregated Grid-Integrated Vehicles	\$0	\$0	\$263,662
126	2014-11-30-49	HE/University of Delaware	Comprehensive Study of I/O Performance at the Extreme Scale	\$64,695	\$0	\$0
127	2014-11-30-50	HE/University of Delaware	Epigenetic Effects of Early-Life Caregiver Maltreatment in Rat mPFC Neurons	\$111,852	\$0	\$0
128	2014-11-30-51	HE/University of Delaware	Enhanced Superacid Catalysts for Production of Pharmaceutical Intermediates and Products	\$0	\$0	\$28,846

129	2014-11-30-52	HE/University of Delaware	Investigations on European Corn Borer on Bt Corn	\$0	\$0	\$22,305
130	2014-11-30-53	HE/University of Delaware	SCH: INT: Collaborative Research: GEAR - Grounded Early Adaptive Rehabilitation	\$779,309	\$0	\$0
131	2014-11-30-54	HE/University of Delaware	Association of University Centers on Disabilities/US Department of Health and Human Services Leadership Institute	\$0	\$0	\$60,185
132	2014-11-30-55	HE/University of Delaware	Development Of An Integrated Database Environment For MEDE CRA Applications	\$0	\$0	\$85,782
133	2014-11-30-56	HE/University of Delaware	Development Of A High-Resolution Video Camera System To Estimate Sea Scallop Survey Dredge Efficiency And Document Finfish Behavior	\$0	\$0	\$21,376
134	2014-11-30-57	HE/University of Delaware	National Endowment For The Humanities Ray Translations 2015	\$168,809	\$0	\$0
135	2014-11-30-58	HE/University of Delaware	Examining Speech Processing in Typical, Deaf, and Hard-of-Hearing Children	\$159,906	\$0	\$0
136	2014-11-30-59	HE/University of Delaware	Delaware Community Foundation Cease Violence Evaluation Project	\$0	\$0	\$18,181
137	2014-11-30-60	HE/University of Delaware	Development of Nanostructured Materials for Efficient Harvesting of Low-Energy Solar Photons	\$490,679	\$0	\$0
138	2014-11-30-61	HE/University of Delaware	Wang: Understanding Online Knowledge Sharing; Financial Market Crisis Identification Via Heterogeneous Artificial Stock Market Simulation	\$0	\$0	\$182,374
139	2014-11-30-62	HE/University of Delaware	UD1022 Nutrient Uptake Mode of Action Testing	\$0	\$0	\$16,934
140	2014-11-30-63	HE/University of Delaware	AHA PREDOC Fellowship Ramick	\$0	\$0	\$52,000
141	2014-11-30-64	HE/University of Delaware	Quantifying Bird Migration Traffic Rates With Weather Radar Over Powdermill Nature Reserve	\$0	\$0	\$1,920
142	2014-11-30-65	HE/University of Delaware	Developed COSMO-SAC Model	\$0	\$0	\$19,231
143	2014-11-30-66	HE/University of Delaware	Professional Development in Arts Integration at Gateway Lab School	\$0	\$0	\$10,000
144	2014-11-30-67	HE/University of Delaware	Inhibiting Hedgehog Signaling to Improve Therapeutic Response in Pediatric Brain Tumors	\$0	\$0	\$100,000
145	2014-11-30-68	HE/University of Delaware	Expert Panel for Specialized Hauling Vehicle Load Rating	\$0	\$0	\$3,906
146	2014-11-30-69	HE/University of Delaware	Development of a Novel Adjuvant Therapy to Treat Aggressive Metastatic Breast Cancer	\$481,746	\$0	\$0
147	2014-11-30-70	HE/University of Delaware	Modeling of the Anisotropic Electrical Conductivity in Composite Materials During Lightning Strike Events	\$0	\$0	\$164,457
148	2014-11-30-71	HE/University of Delaware	Surface Estimates of Deep Permeability	\$0	\$0	\$64,084
149	2014-11-30-72	HE/University of Delaware	Targeting Deubiquitination in Triple Negative Breast Cancer for Development of New Therapeutics	\$350,000	\$0	\$0
150	2014-11-30-73	HE/University of Delaware	NSF Advanced Methods For The Scattering Of Waves In The Time Domain	\$226,251	\$0	\$0
151	2014-11-30-74	HE/University of Delaware	Weak Galerkin Mixed Finite Element Methods	\$149,478	\$0	\$0

152	2014-11-30-75	HE/University of Delaware	Advances In Multilevel Methods For Saddle Point Problems	\$157,133	\$0	\$0
153	2014-11-30-76	HE/University of Delaware	A Field Evaluation of Soybean Vein Necrosis Virus and its Impacts on Soybean Yield and Quality in Delaware	\$0	\$0	\$4,874
154	2014-11-30-77	HE/University of Delaware	MERHAB: Advancing the Utility and Cost-Effectiveness of Quantitative Molecular Methods for the Monitoring of Multiple Harmful Algal Bloom Species	\$240,854	\$0	\$0
155	2014-11-30-78	HE/University of Delaware	Project Proposing Waste Reduction in Apparel Production Can be Achieved Through Increased Efficiency in the Product Development Phase Through the Use of 3D Technology	\$9,615	\$0	\$0
156	2014-11-30-79	HE/University of Delaware	DOS UOD Trinidad Travel	\$5,600	\$0	\$0
157	2014-11-30-80	HE/University of Delaware	Catalysis of Small Molecule Activation by Proton Coupled Electron Transfer	\$369,409	\$0	\$0
158	2014-11-30-81	HE/University of Delaware	Undergraduate Research Apprenticeship Program (URAP) in Spectral Imaging at the University of Delaware	\$3,000	\$0	\$0
159	2014-11-30-82	HE/University of Delaware	Targeted Spherical Nucleic Acids to Eliminate Metastatic Breast Cancer	\$350,000	\$0	\$0
160	2014-11-30-83	HE/University of Delaware	Structural Effects of Protein Phosphorylation and O-GlcNAcylation	\$1,250,000	\$0	\$0
161	2014-11-30-84	HE/University of Delaware	Evaluating the Response of Full Season and Double Cropped Soybeans to Various Soil Moisture Levels	\$0	\$0	\$17,188
162	2014-11-30-85	HE/University of Delaware	Effect of Fertigation on Irrigated Full Season and Double Cropped Soybean	\$0	\$0	\$7,422
163	2014-11-30-86	HE/University of Delaware	Collaborative Research: Experimentation and Innovation as Mechanisms of Long-Term Technological Change	\$81,004	\$0	\$0
164	2014-11-30-87	HE/University of Delaware	An Investigation of Kernel Data Attacks and Countermeasures	\$101,259	\$0	\$0
165	2014-11-30-88	HE/University of Delaware	Statewide Insect Pest Survey in Soybeans	\$0	\$0	\$6,031
166	2014-11-30-89	HE/University of Delaware	NSF CPS: Breakthrough: A Smart Execution Model for Smart Devices: Heterogeneity, Adaptation, and Resiliency	\$331,365	\$0	\$0
167	2014-11-30-90	HE/University of Delaware	A Multi-Year Collaborative Research to Study Highly-Ionized Atoms for Precision Measurements	\$196,494	\$0	\$0
168	2014-11-30-91	HE/University of Delaware	Lewes Historic Preservation Commission	\$0	\$0	\$4,393
169	2014-11-30-92	HE/University of Delaware	New Castle County FY15 NR/TBS	\$0	\$0	\$13,728
170	2014-11-30-93	HE/University of Delaware	African Union Church Cemetery FY15	\$0	\$0	\$4,394
171	2014-11-30-94	HE/University of Delaware	COBRE: Effects of In Utero Alcohol Exposure On The Immune Cells of the Developing Brain	\$0	\$0	\$568,571
172	2014-11-30-95	HE/University of Delaware	Targeting Heterogeneous Aggressive Breast Cancers: Using Smart DNA-Polymer Nanocapsules for Personalized Physiological Profiling and Tailored Therapeutics	\$241,487	\$0	\$0
173	2014-11-30-96	HE/University of Delaware	BC142156P1Targeting Heterogeneous Aggressive Breast Cancers: Using Smart DNA-Polymer Nanocapsules for Personalized Physiological Profiling and Tailored Therapeutics	\$108,513	\$0	\$0

174	2014-11-30-97	HE/University of Delaware	Service and Maintenance of the Grey's Reef Ocean Acidification Mooring: In Support of NOAA Ocean Acidification Program FY15-17	\$0	\$0	\$152,395
175	2014-11-30-98	HE/University of Delaware	Integrating Utility-Dispatchable PV-Driven Battery Storage With Intelligent Cooling Load Management For Supply Shifting And Peak Shaving	\$448,719	\$0	\$0
176	2014-11-30-99	HE/University of Delaware	Innovation to Enhance Produce Safety and Quality During Their Forced Air Cooling Process	\$70,922	\$0	\$0
177	2014-12-01-01	HE/University of Delaware	NSF Oceanographic Instrumentation CY15	\$349,806	\$0	\$0
178	2014-12-01-02	HE/University of Delaware	Palmer Amaranth Weed Management for No-Till and Double-Cropped Soybeans	\$0	\$0	\$20,394
179	2014-12-01-03	HE/University of Delaware	Midwest Regional Carbon Sequestration Partnership (MRCSP)	\$41,311	\$0	\$0
180	2014-12-01-04	HE/University of Delaware	Shipboard Scientific Support Equipment CY15	\$32,900	\$0	\$0
181	2014-12-01-05	HE/University of Delaware	REU:SusChEM: Collaborative Research: Process Optimization of Novel Routes for the Production of Bio-Based Para-Xylene	\$6,000	\$0	\$0
182	2014-12-01-06	HE/University of Delaware	Metamaterials for Visible Wavelengths Through Solution Assembly With Chemical and Kinetic Control	\$572,874	\$0	\$0
183	2014-12-01-07	HE/University of Delaware	EDU: Integrating Cybersecurity Education with Cloud Computing Environments	\$202,622	\$0	\$0
184	2014-12-01-08	HE/University of Delaware	NIJ Watching The Watchers: An Exploration of Citizens Recording The Police	\$26,500	\$0	\$0
185	2014-12-01-09	HE/University of Delaware	Transcriptional Analysis of Pollen Development in Haploid Inducer Lines	\$0	\$0	\$98,696
186	2014-12-01-10	HE/University of Delaware	Ship Operations	\$257,745	\$0	\$0
187	2014-12-01-11	HE/University of Delaware	Intestine and Adipose System Crosstalk in Metabolic Diseases of Dairy Cows	\$71,898	\$0	\$0
188	2014-12-01-12	HE/University of Delaware	Low Cost Electrochemical Compressors Utilizing Green Refrigerants for HVAC Applications	\$0	\$0	\$133,410
189	2014-12-01-13	HE/University of Delaware	Estimating Behavioral Multipliers To American Black Duck and Lesser Scaup Resting Metabolic Rate to Better Estimate Daily Energy Expenditure and Carrying Capacity	\$0	\$0	\$29,979
190	2014-12-01-14	HE/University of Delaware	DMREF: Collaborative Research: Hybrid Materials to Enhance Coupling of Spins to Electromagnetic Waves	\$725,581	\$0	\$0
191	2014-12-01-15	HE/University of Delaware	RI: Small: Event-based Visual-Inertial MAV Navigation and Mapping	\$254,330	\$0	\$0
192	2014-12-01-16	HE/University of Delaware	AFRL/Chip Design High Definition Infrared Light Emitting Diode (HD-ILED) Array	\$915,420	\$0	\$0
193	2014-12-01-17	HE/University of Delaware	Seeing the Entire RF Spectrum (SERFS)	\$1,923,075	\$0	\$0
194	2014-12-01-18	HE/University of Delaware	National Institute of Health ARV-MAT Integrating Medication, Health and Social Services for HIV Patients	\$2,553,713	\$0	\$0
195	2014-12-01-19	HE/University of Delaware	Association of University Centers on Disabilities, Medicaid Project	\$0	\$0	\$21,510
196	2014-12-01-20	HE/University of Delaware	Data Analysis and Readiness Assessment for the Pipeline Up to Stable Housing	\$0	\$0	\$54,687

197	2014-12-01-21	HE/University of Delaware	GP-Impacts: Bridge - Building a Regional Infrastructure to Deliver Inclusive Geoscience Experiences	\$1	\$0	\$0
198	2014-12-01-22	HE/University of Delaware	2015 Youth Philanthropy Board for Sussex County of the Delaware Community Foundation	\$0	\$0	\$4,545
199	2014-11-30-23	HE/Delaware State University	Conservation and Recover of Sturgeons in the Delaware River Estuary	\$1,066,824	\$0	\$0
200	2014-11-30-24	HE/Delaware State University	II New: Collaborative Multi-Institutional Computer Cloud Based Simulation Infrastructure for Multi-phase Flows	\$294,792	\$0	\$0
201	2014-11-30-25	HE/Delaware State University	Environmental Toxins Cause Neuronal Loss and Natural Antioxidants to Promote Neuronal Recovery	\$132,000	\$0	\$0
202	2014-11-30-26	HE/Delaware State University	The Effect of Oxidative Stress in the Misregulation in MricroRNA Biogenesis	\$132,000	\$0	\$0
203	2014-11-30-27	HE/Delaware State University	Aging Neurons: The Balance Between Calcium Ion Flux and Cell Death	\$132,000	\$0	\$0
204	2014-11-30-28	HE/Delaware State University	Assessing the Role of TRPC Channels in Spinal Moto Neuron Development	\$132,000	\$0	\$0
205	2014-11-30-29	HE/Delaware State University	Spectroscopic Characterization of Nanodiamonds and their Functionalized Versions Based on the Photo	\$465,546	\$0	\$0
206	2014-11-30-30	HE/Delaware State University	Reaching the Single-Cycle Regime with Petwatt Power	\$1,118,816	\$0	\$0
207	2014-11-30-31	HE/Delaware State University	Micro X-Ray Fluorescence (XRF) Instrumentation for Ultra-Fast Non-Invasive Determination of Materials Composition in Energy Materials	\$226,920	\$0	\$0
208	2014-11-30-32	HE/Delaware State University	Instrument Development for a Long-Range High Resolution 3D Imaging Photon Counting LADAR	\$221,661	\$0	\$0
209	2014-11-30-33	HE/Delaware State University	Acetylcholinergic Neurotransmission During Aging	\$832,321	\$0	\$0
210	2014-11-30-34	HE/Delaware State University	Novel Metamaterials with Turnable Properties	\$750,085	\$0	\$0
211	2014-11-30-35	HE/Delaware State University	Development of Ultra-sensitive, High-resolution Sensor System of Unmanned Aerial Platforms, Mid-Infrared Sensing of Ammonia, Methane, and Nitrous Oxide	\$146,586	\$0	\$0
212	2014-11-30-36	HE/Delaware State University	Petascale Simulations of Stimulated Raman Backscattering in Plasma for High Power Laser	\$14,112	\$0	\$0
213	2014-11-30-37	HE/Delaware State University	Delaware State University Binge Drinking Campaign	\$4,940	\$0	\$0
214	2014-11-30-39	HE/Delaware State University	Model for Intergration of MSIPP into Collaborative Research via Development of Laser Induced Breakdown Spectroscopy (LIBS) Methods for Nuclear Forensics	\$149,988	\$0	\$0
215	2014-11-30-40	HE/Delaware State University	Development of High Performance Greenhouse Gas Sensors for Automated Aerial Robotic Platforms	\$23,251	\$0	\$0
216	2014-11-30-41	HE/Delaware State University	Testing and Application of Novel Probiotic Bacteria for use IN Marine Aquaculture	\$196,242	\$0	\$0
217	2014-11-30-42	HE/Delaware State University	Developing Qualitative Reasoning as a Catlyst for Learning Mathematics	\$376,622	\$0	\$0
218	2014-11-30-43	HE/Delaware State University	Delaware Small Business and Technology Center	\$0	\$0	\$27,392
219	2014-11-30-44	HE/Delaware State University	DMR-PREM Advanced Nanostructured Materials with Novel Optical Properties	\$3,465,627	\$0	\$0

220	2014-11-30-38	HE/Delaware Technical and Community College	Upward Bound Math/Science	\$357,722	\$0	\$0
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